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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18499

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 15/63; C12P 19/34; C12Q 1/68; C07H 21/00, 21/02, 21/04
 US CL : 435/6, 91.1, 91.31, 455; 536/23.1, 24.31, 24.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6, 91.1, 91.31, 455; 536/23.1, 24.31, 24.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
west, dialog**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P ---	US 6,423,885 B1 (WATERHOUSE et al.) 23 July 2002, abstract; col. 2, line 61-col. 3, line 58; col. 4, line 38-col. 5, line 15; col. 12, lines 5-39; Table 1 in cols. 11-14; col. 17, lines 13-37.	1-4, 9-19 _____
A,P		29-30, 33-38
A	THOMSON, J. B. et al. In vitro selection of hammerhead ribozymes containing a bulged nucleotide in stem II. Nucleic Acids Res. 1996, Vol. 24, No. 22, pages 4401-4406, abstract and introduction on page 4401; figures 3 and 4, section entitled "Structure of the selected ribozymes", in the discussion, page 4405.	2-4
A	WILSON, D. S. et al. In vitro selection of functional nucleic acids. Annu. Rev. Biochem. 1999, Vol. 68, pages 611-647, pages 614-617.	20-28

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search	Date of mailing of the international search report
12 November 2004 (12.11.2004)	17 NOV 2004
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Jane Zafra Telephone No. (571) 272-1600

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